

**Note* This schedule may be subject to change to accommodate shows or other events at the discretion of the instructor.*

Monday

- **Discover** Vex IQ Robotics
- **Learn** basic engineering and the design process
- **Construct** a Vex Robot!
- **Code** your Vex IQ robot to accomplish basic movements!

Tuesday

- **Explore** mechanical advantages
- **Test** the strength of your tech!
- **Experiment** with gear ratios to create a sturdier bot
- **Compete** in a game of Robot tug-of-war!

Wednesday

- **Drive** your robot with a controller!
- **Reconfigure** your robot with bumpers and switches
- **Test** different wheels on your robot!
- **Play** a game of robot freeze-tag!

Thursday

- **Build** the CLAW!
- **Pass** and Grab with your robot's new appendage
- **Design** and redesign your mechanical claw
- **Compete** in a game of robot soccer!

Friday

- **Move** the cubes with your claw!
- **Utilize** optical sensors
- **Challenge** your robots with new obstacles
- **Control** the dynamic new KIWI bot!

VEX IQ

